



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Manoocher Birang et al
Serial No. : 10/722,305
Filed : November 25, 2003
Title : POLISHING PAD FOR IN-SITU ENDPOINT DETECTION

Art Unit : 3723
Examiner : Shantese McDonald

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

I. References

Applicant submits the references listed on the attached form PTO-1449. The references designated AA-AN are not provided pursuant to 1276 OG 55.

II. Other Information

Applicant also submits the following information:

A sample of a JR111 mounting pad, discussed as a possible pad material in U.S. Patent No. 5,489,233 to Cook et al., was tested and was found to transmit light in at least the wavelength range of 400-800 nm (the range of wavelengths emitted by the tungsten lamp used in the test). Similarly, a sample of Dow Isoplast 302EZ resin, discussed as a possible pad material in U.S. Patent No. 5,489,233 to Cook et al., was tested and was shown to transmit light in at least the wavelength range of 400-800 nm (the range of wavelengths emitted by the tungsten lamp used in the test).

Inventors Allan Gleason and Manoocher Birang received samples of a polishing pad material designated EX2000 from Rodel in the summer of 1994. The EX2000 polishing pad included a translucent top layer having grooves formed in its upper surface, and an opaque gray

CERTIFICATE OF MAILING BY FIRST CLASS MAIL

I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Attorney's Docket No.: 000784C8-146009

foam sublayer. In the samples they received in the summer of 1994, the opaque gray foam sublayer covered the entire bottom surface of the translucent top layer.

Please apply any other charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

Date: 10/6/04

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Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 000784C8-146009	Application No. 10/722,305
Information Disclosure Statement by Applicant (Use several sheets if necessary)		Applicant Manoocher Birang et al	
		Filing Date November 25, 2003	Group Art Unit 3723

U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	4,680,369	July 1987	Kajimoto et al.			
	AB	5,081,796	January 1992	Schultz			
	AC	5,486,129	January 1996	Sandhu et al.			
	AD	5,499,733	March 1996	Litvak			
	AE	5,766,755	June 1998	Chaussade et al.			
	AF	5,964,643	October 1999	Birang et al.			
	AG	6,248,000 B1	June 2003	Chang et al.			
	AH	6,280,290	August 2001	Birang et al.			
	AI	6,383,058	May 2002	Birang et al.			
	AJ	6,537,133	March 2003	Birang et al.			
	AK	6,614,529	September 2003	Tang et al.			
	AL	6,676,717	January 2004	Birang et al.			
	AM	6,719,818	April 2004	Birang et al.			
	AN	US-2003-0114076	June 2003	Chang et al.			
	AO						
	AP						

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AQ	57-138575	August 1982	Japan			X	
	AR	6-37076	February 1994	Japan			X	
	AS							
	AT							
	AU							
	AV							

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
	AW	

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	